



Engineering, Operations, & Technology Committee

Rialto Pipeline Rehabilitation

Item 7-1

July 8, 2024

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Rialto Pipeline Rehabilitation

Subject

Award a \$2,197,460 contract to J.F. Shea Construction Inc. for the replacement of a section of steel pipe on the Rialto Pipeline and rehabilitation of Service Connection CB-11; and authorize an increase of \$150,000 to an existing agreement with Brown and Caldwell for a new not-to-exceed amount of \$395,000 to provide technical support during construction

Purpose

This action rehabilitates a 35-foot section of steel pipe and Service Connection CB-11 on the Rialto Pipeline which will enhance the reliability of water deliveries

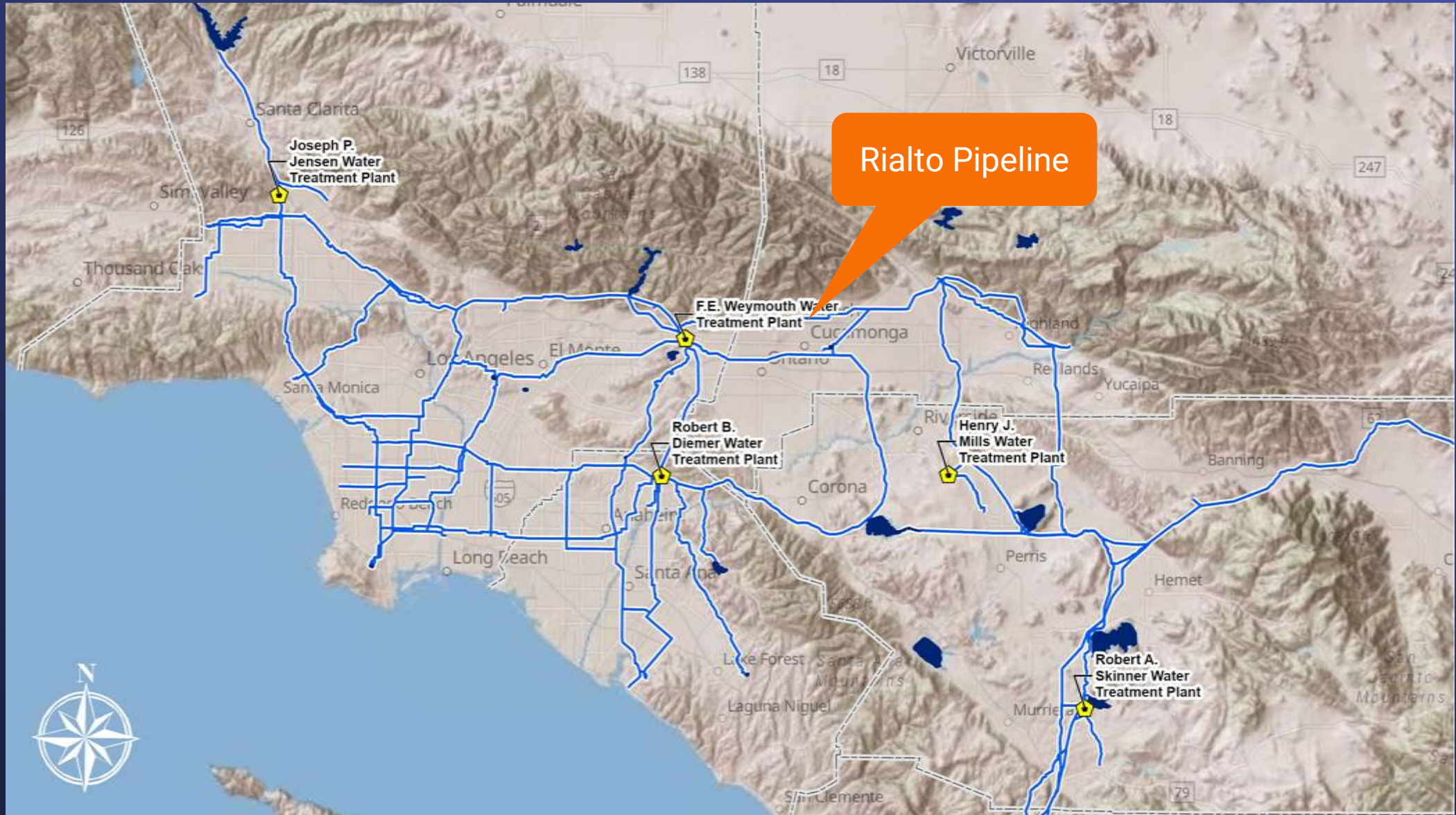
Recommendation and Fiscal Impact

Award a construction contract to rehabilitate a portion of the Rialto Pipeline and Service Connection CB-11

Fiscal Impact of \$3,600,000

Budgeted

Location Map



Background

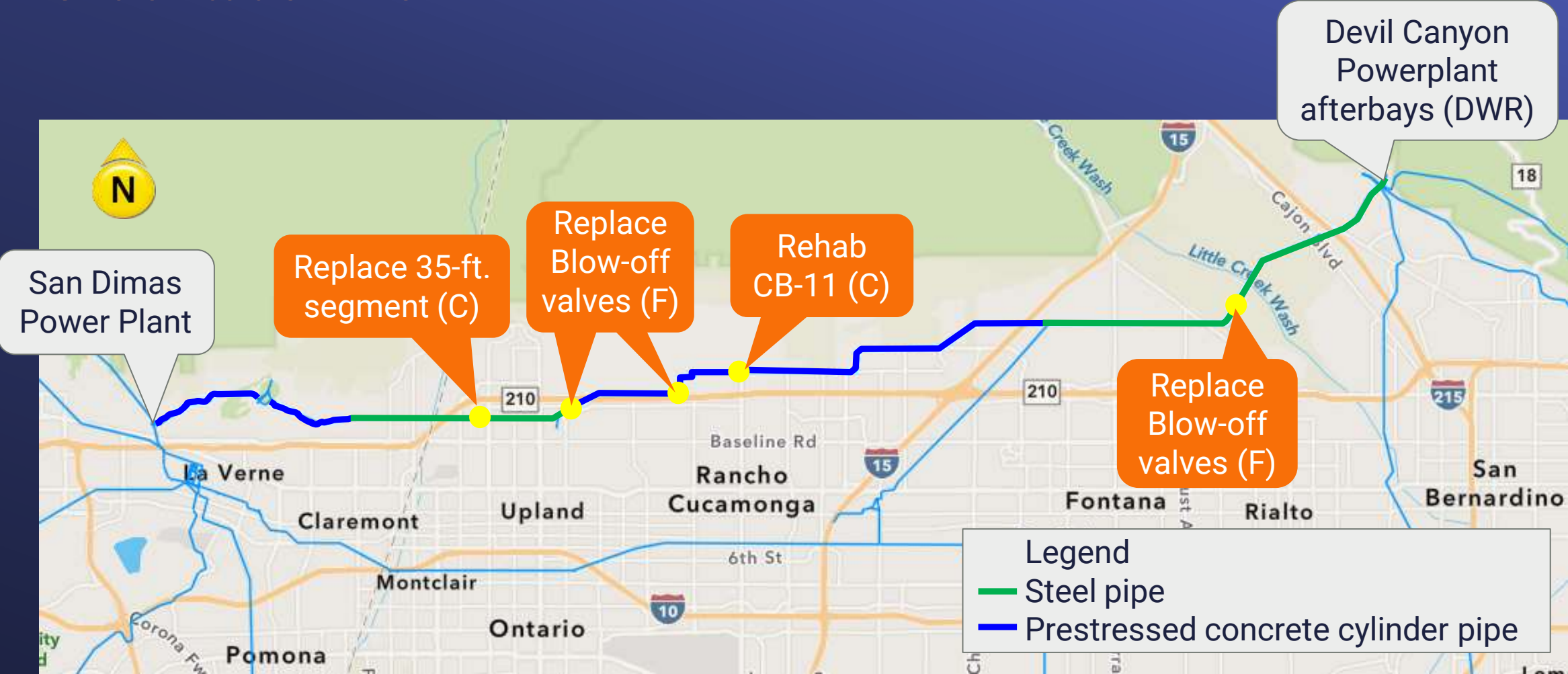


Severe corrosion and pitting in 120-inch diam.
35-ft. steel segment (Dec. 2020 inspection)



Existing deteriorated blow-off
valve, typical of six

Rehabilitation work

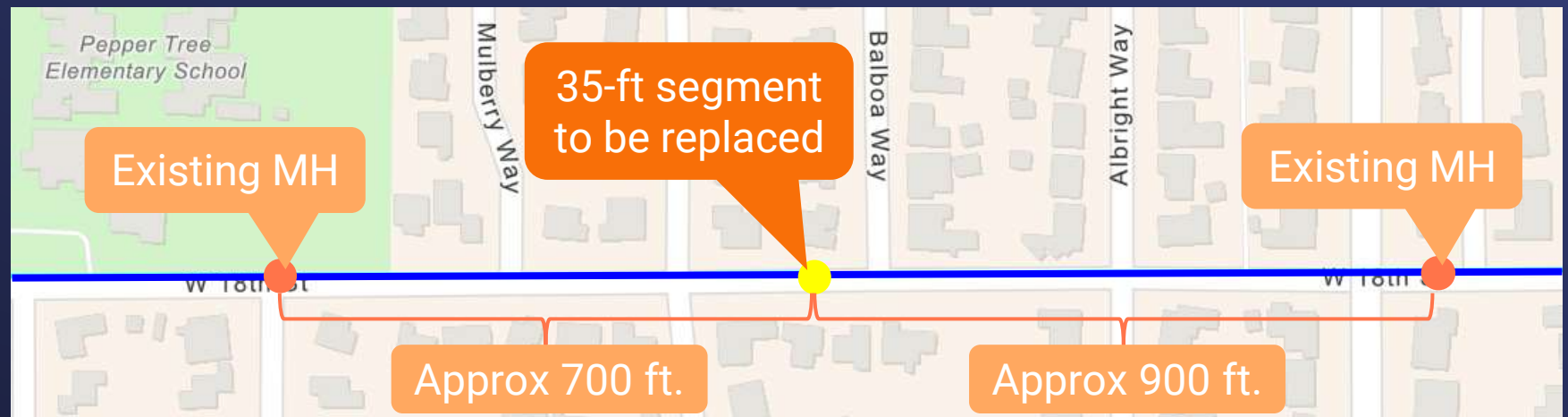


Rialto Pipeline Rehabilitation by Contractor (C) or Metropolitan Forces (F)

Rialto Pipeline Rehabilitation Construction

Alternatives Considered

- Perform weld repairs & cement mortar re-lining
 - No excavation required
 - Longer repair duration requires two shutdowns
 - Extensive weld repairs
- Selected Alternative - Replace 35-foot section of pipe
 - Shorter repair duration - can be completed in one shutdown



Rialto Pipeline Rehabilitation Construction

Brown and Caldwell – Agreement Amendment

- Engineer of record for final design
- Scope of Work
 - Review contractor submittals
 - Respond to RFIs
 - Provide monitoring services
- Amendment amount: \$150,000
- New NTE amount: \$395,000
- SBE participation level: 25%

Rialto Pipeline Rehabilitation Construction



New 20" triple offset ball valve

Scope of Work

- Contractor
 - Remove & replace a 35-foot segment of 121.5-inch diameter steel pipe
 - Replace isolation valve & corroded piping at Service Connection CB-11
- Metropolitan
 - Shutdown pipeline & return to service
 - Install blow-off valves
 - Construction management & inspection
 - Project management, public outreach & contract administration

Bid Results

Specifications No. 2058

Bids Received	June 6, 2024
No. of Bidders	2
Low Bid	\$2,197,460
Other Bid	\$2,433,000
Engineer's Estimate	\$2,650,000
SBE Participation*	25%

*SBE (Small Business Enterprise) participation level set at 25%

Allocation of Funds

Rialto Pipeline Rehabilitation

Metropolitan Labor

Owner Costs (Proj. Mgmt., Contract Admin., Envir. Support)	\$	144,000
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Construction Inspection & Support		207,000
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Force Construction		500,000
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Submittals Review, Tech. Support, Record Dwgs.		177,000
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Materials & Incidentals		30,000
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Professional/Technical Services

Brown and Caldwell		150,000
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Contracts

J.F. Shea Construction Inc.		2,197,460
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Remaining Budget		194,540
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Total	\$	3,600,000
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Project Schedule



Board Options

- Option #1
 - a. Award a \$2,197,460 contract to J.F. Shea Construction Inc. for replacement of steel pipe on the Rialto Pipeline and rehabilitation of Service Connection CB-11.
 - b. Authorize an increase of \$150,000 to an existing agreement with Brown and Caldwell for a new not-to-exceed amount of \$395,000 to provide construction support services.
- Option #2

Do not proceed with the project at this time.

Staff Recommendation

- Option #1

